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PCU-520 230V

TIMING RELAYS

SETTING OF TWO INDEPENDENT TIME

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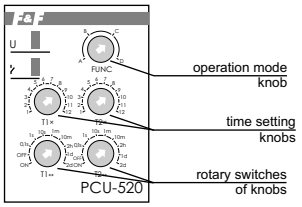
PURPOSE

Timing relays are devised to time the control of industrial and domestic automatic control vengineering systems (e.g. entilation, heating, lighting, signalling, etc.).
Setting two independent times : work time t1 and break time t2.

FUNCTIONING

Working mode: ***LAGGED DEACTIVATION(A)***
Until the relay is activated, the contact remains in the 1-5, 2-8 position. After the power voltage is supplied (green LED U is shining), contact is shifted to position 1-6, 2-7 for time t1 (red LED is shining). After the preset time t1 has been counted down, joint returns to position 1-5, 2-8 for time t2. After time t2 joint return to position 1-6, 2-7. The working sequence of the relay may be repeated after turning the power supply off and on.



WORK TIME SETTINGS

By time range switch T↔ set to one of choosen range and by setting time knob T× set value from 1 to 12. Product of this vaules is equal work time (e.g. 1m×7=7 min).

WORK MODE SETTINGS

By knob FUNC set one of functions (e.g. function A - Lagged Deactivation).

ATTENTION!

- With the power supply on, the system does not respond to time range setting modifications.
- The newly set time range is active after the power supply has been turned off and on.
- With the power supply on, it is possible to regulate the preset time freely within the selected time range.

ASSEMBLY

1. Take OFF the power.
2. Put on the relay on the rail in the switchgearbox.
3. Cables of power connect with wiring diagram with marks: joint 3 -L, joint 4-N.
4. System of switching ON a receiver connect in line to joints 1-6 and 2-7.

LAGGED ACTIVATION (B)

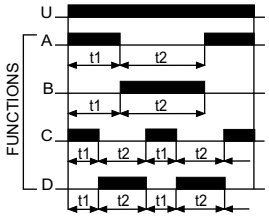
After the power voltage is supplied (green LED U is shining), the contact remains in position 1-5, 2-8 for time t1. After the preset time t1 has been counted down, the joint is shifted to position 1-6, 2-7 for time t2 (red LED is shining). After time t2 joint returns to position 1,5, 2-8. The working sequence of the relay may be repeated after turning the power supply off and on.

LAGGED ACTIVATION - CYCLIC (D)

The Lagged Activation mode is triggered in equal work cycles according to the preset time values.

LAGGED DEACTIVATION - CYCLIC (C)

The Lagged Deactivatin mode is triggered in equal work cycles according to the preset time values.

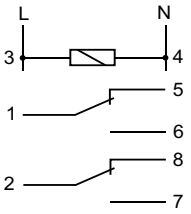


Setting the time range knob regulator in the:
-ON *- position with power supply activated connection of joint in position 1-6, 2-7.*
*-****OFF*** *- position with power supply activated connection of joint in position 1-5, 2-8.*

TECHNICAL DATA

supply	*230VAC*
current load	*2×(<10A)*
joint	*2P*
work time	*0,1sec÷24h*
break time	*0,1s÷24h*
switching ON delay	*<50msec*
power supply indicator	*green LED*
operation mode indicator	*red LED*
power consumption	*1,2W*
working temperature	*-25÷50°C*
connection	*screw terminals 2,5mm²*
dimensions	*2 modules (35mm)*
fixing	*on rail TH-35*

WIRING DIAGRAM



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